

(19) World Intellectual Property
Organization
International Bureau



10/528348



(43) International Publication Date
1 April 2004 (01.04.2004)

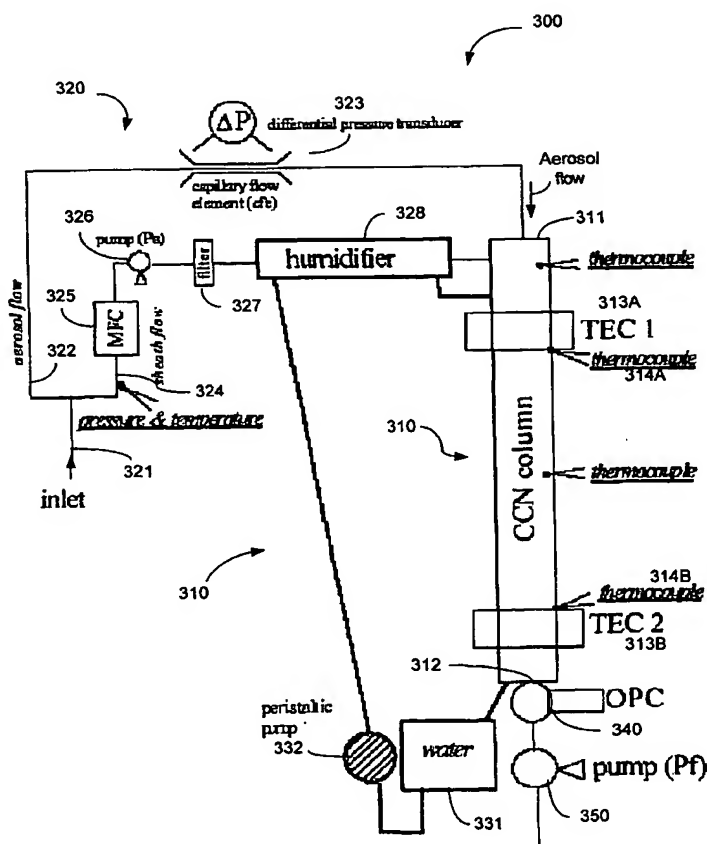
PCT

(10) International Publication Number
WO 2004/027380 A3

- (51) International Patent Classification⁷: G01N 1/10
- (21) International Application Number: PCT/US2003/029213
- (22) International Filing Date: 18 September 2003 (18.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/411,688 18 September 2002 (18.09.2002) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application: 60/411,688 (CIP)
Filed on 18 September 2002 (18.09.2002)
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,

[Continued on next page]

(54) Title: STREAM-WISE THERMAL GRADIENT CLOUD CONDENSATION NUCLEI CHAMBER



(57) Abstract: A cloud condensation nuclei instrument including an aerosol flow line (320) to carry a desired sample to the CNN chamber (310) and a temperature control unit (313A, 313B) to provide a monotonically increasing temperature profile along the direction of flow.

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RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

21 May 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29213

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 1/10

US CL : 356/37

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 356/37

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,330,060 B1 (FLAGAN et al) 11 December 2001 (11.12.2001), see entire document.	1-14, 16-27
Y		15
Y	US 5,922,976 A (RUSSELL et al) 13 July 1999 (13.07.1999), see column 8, lines 15-20.	15

☐

Further documents are listed in the continuation of Box C.

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See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed

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"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

30 January 2004 (30.01.2004)

Date of mailing of the international search report

15 MAR 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US

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Form PCT/ISA/210 (second sheet) (July 1998)

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:
USPAT EAST
seasrch terms: cloud condensation nuclei